

317



OIPE

#2

## RAW SEQUENCE LISTING

DATE: 03/11/2002

PATENT APPLICATION: US/10/071,179

TIME: 14:42:05

Input Set : N:\Crf3\RULE60\10071179.raw

Output Set: N:\CRF3\03112002\J071179.raw

1 <110> APPLICANT: Bougueleret, Lydie  
 2 <120> TITLE OF INVENTION: A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN  
 (RBP-7)  
 3 AND POLYMORPHIC MARKERS ASSOCIATED WITH SAID NUCLEIC ACID.  
 4 <130> FILE REFERENCE: GENSET.031A  
 5 <140> CURRENT APPLICATION NUMBER: 10/071,179  
 6 <141> CURRENT FILING DATE: 2002-02-07  
 7 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/345,882  
 W--> 8 <151> PRIOR FILING DATE: EARLIER FILING DATE: 1999-06-30  
 9 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/091,315  
 W--> 10 <151> PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-30  
 11 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/111,909  
 W--> 12 <151> PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-10  
 13 <160> NUMBER OF SEQ ID NOS: 140  
 14 <170> SOFTWARE: Patent.pm  
 16 <210> SEQ ID NO: 1  
 17 <211> LENGTH: 162450  
 18 <212> TYPE: DNA  
 19 <213> ORGANISM: Homo sapiens  
 20 <220> FEATURE:  
 21 <221> NAME/KEY: allele  
 22 <222> LOCATION: 72794  
 23 <223> OTHER INFORMATION: 5-124-273 : polymorphic base A or G  
 24 <220> FEATURE:  
 25 <221> NAME/KEY: allele  
 26 <222> LOCATION: 88073  
 27 <223> OTHER INFORMATION: 5-127-261 : polymorphic base A or C  
 28 <220> FEATURE:  
 29 <221> NAME/KEY: allele  
 30 <222> LOCATION: 90842  
 31 <223> OTHER INFORMATION: 99-1437-325 : polymorphic base A or G  
 32 <220> FEATURE:  
 33 <221> NAME/KEY: allele  
 34 <222> LOCATION: 93714  
 35 <223> OTHER INFORMATION: 5-128-60 : polymorphic base deletion of GT  
 36 <220> FEATURE:  
 37 <221> NAME/KEY: allele  
 38 <222> LOCATION: 97122  
 39 <223> OTHER INFORMATION: 99-1442-224 : polymorphic base G or T  
 40 <220> FEATURE:  
 41 <221> NAME/KEY: allele  
 42 <222> LOCATION: 97152  
 43 <223> OTHER INFORMATION: 5-129-144 : polymorphic base deletion of T  
 44 <220> FEATURE:

ENTERED

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Input Set : N:\Crf3\RULE60\10071179.raw

Output Set: N:\CRF3\03112002\J071179.raw

45 <221> NAME/KEY: allele  
46 <222> LOCATION: 99098  
47 <223> OTHER INFORMATION: 5-130-257 : polymorphic base A or G  
48 <220> FEATURE:  
49 <221> NAME/KEY: allele  
50 <222> LOCATION: 99117  
51 <223> OTHER INFORMATION: 5-130-276 : polymorphic base A or G  
52 <220> FEATURE:  
53 <221> NAME/KEY: allele  
54 <222> LOCATION: 103806  
55 <223> OTHER INFORMATION: 5-131-395 : polymorphic base A or T  
56 <220> FEATURE:  
57 <221> NAME/KEY: allele  
58 <222> LOCATION: 106940  
59 <223> OTHER INFORMATION: 5-133-375 : polymorphic base insertion of A  
60 <220> FEATURE:  
61 <221> NAME/KEY: allele  
62 <222> LOCATION: 108106  
63 <223> OTHER INFORMATION: 5-135-155 : polymorphic base insertion of A  
64 <220> FEATURE:  
65 <221> NAME/KEY: allele  
66 <222> LOCATION: 108149  
67 <223> OTHER INFORMATION: 5-135-198 : polymorphic base insertion of GTTT  
68 <220> FEATURE:  
69 <221> NAME/KEY: allele  
70 <222> LOCATION: 108308  
71 <223> OTHER INFORMATION: 5-135-357 : polymorphic base A or G  
72 <220> FEATURE:  
73 <221> NAME/KEY: allele  
74 <222> LOCATION: 108471  
75 <223> OTHER INFORMATION: 5-136-174 : polymorphic base C or T  
76 <220> FEATURE:  
77 <221> NAME/KEY: allele  
78 <222> LOCATION: 134134  
79 <223> OTHER INFORMATION: 5-140-120 : polymorphic base C or T  
80 <220> FEATURE:  
81 <221> NAME/KEY: allele  
82 <222> LOCATION: 134362  
83 <223> OTHER INFORMATION: 5-140-348 : polymorphic base insertion of A  
84 <220> FEATURE:  
85 <221> NAME/KEY: allele  
86 <222> LOCATION: 134374  
87 <223> OTHER INFORMATION: 5-140-361 : polymorphic base insertion of CA  
88 <220> FEATURE:  
89 <221> NAME/KEY: allele  
90 <222> LOCATION: 146328  
91 <223> OTHER INFORMATION: 5-143-84 : polymorphic base A or G  
92 <220> FEATURE:  
93 <221> NAME/KEY: allele

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Input Set : N:\Crf3\RULE60\10071179.raw

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94 <222> LOCATION: 146345  
95 <223> OTHER INFORMATION: 5-143-101 : polymorphic base A or C  
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97 <221> NAME/KEY: allele  
98 <222> LOCATION: 150329  
99 <223> OTHER INFORMATION: 5-145-24 : polymorphic base A or G  
100 <220> FEATURE:  
101 <221> NAME/KEY: allele  
102 <222> LOCATION: 160031  
103 <223> OTHER INFORMATION: 5-148-352 : polymorphic base G or T  
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105 <221> NAME/KEY: allele  
106 <222> LOCATION: 72771..72817  
107 <223> OTHER INFORMATION: polymorphic fragment 5-124-273 SEQ ID30  
108 <220> FEATURE:  
109 <221> NAME/KEY: allele  
110 <222> LOCATION: 72771..72817  
111 <223> OTHER INFORMATION: polymorphic fragment 5-124-273 SEQ ID51  
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113 <221> NAME/KEY: allele  
114 <222> LOCATION: 88050..88096  
115 <223> OTHER INFORMATION: polymorphic fragment 5-127-261 SEQ ID31  
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117 <221> NAME/KEY: allele  
118 <222> LOCATION: 88050..88096  
119 <223> OTHER INFORMATION: polymorphic fragment 5-127-261 SEQ ID52  
120 <220> FEATURE:  
121 <221> NAME/KEY: allele  
122 <222> LOCATION: 90819..90865  
123 <223> OTHER INFORMATION: complement polymorphic fragment 99-1437-325 SEQ ID49  
124 <220> FEATURE:  
125 <221> NAME/KEY: allele  
126 <222> LOCATION: 90819..90865  
127 <223> OTHER INFORMATION: complement polymorphic fragment 99-1437-325 SEQ ID70  
128 <220> FEATURE:  
129 <221> NAME/KEY: allele  
130 <222> LOCATION: 93690..93736  
131 <223> OTHER INFORMATION: polymorphic fragment 5-128-60 SEQ ID32  
132 <220> FEATURE:  
133 <221> NAME/KEY: allele  
134 <222> LOCATION: 93690..93736  
135 <223> OTHER INFORMATION: polymorphic fragment 5-128-60 SEQ ID53  
136 <220> FEATURE:  
137 <221> NAME/KEY: allele  
138 <222> LOCATION: 97099..97145  
139 <223> OTHER INFORMATION: polymorphic fragment 99-1442-224 SEQ ID50  
140 <220> FEATURE:  
141 <221> NAME/KEY: allele  
142 <222> LOCATION: 97099..97145

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TIME: 14:42:05

Input Set : N:\Crf3\RULE60\10071179.raw

Output Set: N:\CRF3\03112002\J071179.raw

143 <223> OTHER INFORMATION: polymorphic fragment 99-1442-224 SEQ ID71  
144 <220> FEATURE:  
145 <221> NAME/KEY: allele  
146 <222> LOCATION: 97130..97177  
147 <223> OTHER INFORMATION: polymorphic fragment 5-129-144 SEQ ID33  
148 <220> FEATURE:  
149 <221> NAME/KEY: allele  
150 <222> LOCATION: 97130..97177  
151 <223> OTHER INFORMATION: polymorphic fragment 5-129-144 SEQ ID54  
152 <220> FEATURE:  
153 <221> NAME/KEY: allele  
154 <222> LOCATION: 99075..99121  
155 <223> OTHER INFORMATION: polymorphic fragment 5-130-257 SEQ ID34  
156 <220> FEATURE:  
157 <221> NAME/KEY: allele  
158 <222> LOCATION: 99075..99121  
159 <223> OTHER INFORMATION: polymorphic fragment 5-130-257 SEQ ID55  
160 <220> FEATURE:  
161 <221> NAME/KEY: allele  
162 <222> LOCATION: 99094..99140  
163 <223> OTHER INFORMATION: polymorphic fragment 5-130-276 SEQ ID35  
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165 <221> NAME/KEY: allele  
166 <222> LOCATION: 99094..99140  
167 <223> OTHER INFORMATION: polymorphic fragment 5-130-276 SEQ ID56  
168 <220> FEATURE:  
169 <221> NAME/KEY: allele  
170 <222> LOCATION: 103783..103828  
171 <223> OTHER INFORMATION: polymorphic fragment 5-131-395 SEQ ID36  
172 <220> FEATURE:  
173 <221> NAME/KEY: allele  
174 <222> LOCATION: 103783..103828  
175 <223> OTHER INFORMATION: polymorphic fragment 5-131-395 SEQ ID57  
176 <220> FEATURE:  
177 <221> NAME/KEY: allele  
178 <222> LOCATION: 106918..106966  
179 <223> OTHER INFORMATION: polymorphic fragment 5-133-375 SEQ ID37  
180 <220> FEATURE:  
181 <221> NAME/KEY: allele  
182 <222> LOCATION: 106918..106966  
183 <223> OTHER INFORMATION: polymorphic fragment 5-133-375 SEQ ID58  
184 <220> FEATURE:  
185 <221> NAME/KEY: allele  
186 <222> LOCATION: 108084..108130  
187 <223> OTHER INFORMATION: polymorphic fragment 5-135-155 SEQ ID38  
188 <220> FEATURE:  
189 <221> NAME/KEY: allele  
190 <222> LOCATION: 108084..108130  
191 <223> OTHER INFORMATION: polymorphic fragment 5-135-155 SEQ ID59

## RAW SEQUENCE LISTING

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Input Set : N:\Crf3\RULE60\10071179.raw

Output Set: N:\CRF3\03112002\J071179.raw

192 <220> FEATURE:  
193 <221> NAME/KEY: allele  
194 <222> LOCATION: 108127..108177  
195 <223> OTHER INFORMATION: polymorphic fragment 5-135-198 SEQ ID39  
196 <220> FEATURE:  
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198 <222> LOCATION: 108127..108177  
199 <223> OTHER INFORMATION: polymorphic fragment 5-135-198 SEQ ID60  
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201 <221> NAME/KEY: allele  
202 <222> LOCATION: 108285..108331  
203 <223> OTHER INFORMATION: polymorphic fragment 5-135-357 SEQ ID40  
204 <220> FEATURE:  
205 <221> NAME/KEY: allele  
206 <222> LOCATION: 108285..108331  
207 <223> OTHER INFORMATION: polymorphic fragment 5-135-357 SEQ ID61  
208 <220> FEATURE:  
209 <221> NAME/KEY: allele  
210 <222> LOCATION: 108448..108494  
211 <223> OTHER INFORMATION: polymorphic fragment 5-136-174 SEQ ID41  
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214 <222> LOCATION: 108448..108494  
215 <223> OTHER INFORMATION: polymorphic fragment 5-136-174 SEQ ID62  
216 <220> FEATURE:  
217 <221> NAME/KEY: allele  
218 <222> LOCATION: 134111..134157  
219 <223> OTHER INFORMATION: polymorphic fragment 5-140-120 SEQ ID42  
220 <220> FEATURE:  
221 <221> NAME/KEY: allele  
222 <222> LOCATION: 134111..134157  
223 <223> OTHER INFORMATION: polymorphic fragment 5-140-120 SEQ ID63  
224 <220> FEATURE:  
225 <221> NAME/KEY: allele  
226 <222> LOCATION: 134340..134386  
227 <223> OTHER INFORMATION: polymorphic fragment 5-140-348 SEQ ID43  
228 <220> FEATURE:  
229 <221> NAME/KEY: allele  
230 <222> LOCATION: 134340..134386  
231 <223> OTHER INFORMATION: polymorphic fragment 5-140-348 SEQ ID64  
232 <220> FEATURE:  
233 <221> NAME/KEY: allele  
234 <222> LOCATION: 134352..134397  
235 <223> OTHER INFORMATION: polymorphic fragment 5-140-361 SEQ ID44  
236 <220> FEATURE:  
237 <221> NAME/KEY: allele  
238 <222> LOCATION: 134352..134397  
239 <223> OTHER INFORMATION: polymorphic fragment 5-140-361 SEQ ID65  
240 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/071,179

DATE: 03/11/2002  
TIME: 14:42:07

Input Set : N:\Crf3\RULE60\10071179.raw  
Output Set: N:\CRF3\03112002\J071179.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; Xaa Pos. 293,963,969  
Seq#:29; Xaa Pos. 293,963,969

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 2  
Seq#:30; Line(s) 4818  
Seq#:31; Line(s) 4841  
Seq#:34; Line(s) 4902  
Seq#:35; Line(s) 4925  
Seq#:36; Line(s) 4948  
Seq#:40; Line(s) 5028  
Seq#:41; Line(s) 5051  
Seq#:42; Line(s) 5074  
Seq#:45; Line(s) 5135  
Seq#:46; Line(s) 5158  
Seq#:47; Line(s) 5181  
Seq#:48; Line(s) 5204  
Seq#:49; Line(s) 5227  
Seq#:50; Line(s) 5250  
Seq#:51; Line(s) 5261,5273  
Seq#:52; Line(s) 5284,5296  
Seq#:53; Line(s) 5307  
Seq#:54; Line(s) 5326  
Seq#:55; Line(s) 5345,5357  
Seq#:56; Line(s) 5368,5380  
Seq#:57; Line(s) 5391,5403  
Seq#:58; Line(s) 5414  
Seq#:59; Line(s) 5433  
Seq#:60; Line(s) 5452  
Seq#:61; Line(s) 5471,5483  
Seq#:62; Line(s) 5494,5506  
Seq#:63; Line(s) 5517,5529  
Seq#:64; Line(s) 5540  
Seq#:65; Line(s) 5559  
Seq#:66; Line(s) 5578,5590  
Seq#:67; Line(s) 5601,5613  
Seq#:68; Line(s) 5624,5636  
Seq#:69; Line(s) 5647,5659  
Seq#:70; Line(s) 5670,5682  
Seq#:71; Line(s) 5693,5705  
Seq#:76; Line(s) 5760

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/071,179

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TIME: 14:42:07

Input Set : N:\Crf3\RULE60\10071179.raw  
Output Set: N:\CRF3\03112002\J071179.raw

Seq#:79; Line(s) 5793  
Seq#:81; Line(s) 5815  
Seq#:82; Line(s) 5826  
Seq#:91; Line(s) 5925  
Seq#:94; Line(s) 5958  
Seq#:96; Line(s) 5980  
Seq#:97; Line(s) 5991

## VERIFICATION SUMMARY

DATE: 03/11/2002

PATENT APPLICATION: US/10/071,179

TIME: 14:42:07

Input Set : N:\Crf3\RULE60\10071179.raw

Output Set: N:\CRF3\03112002\J071179.raw

L:8 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:10 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:12 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:3770 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:1335  
L:3896 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:3351  
L:4670 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:288  
L:4754 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:960